

AMENDMENTS TO THE CLAIMS

In accordance with the PTO's amendment format, a detailed listing of all claims has been provided. A status identifier is provided for each claim in parentheses following each claim number.

In the Claims:

Claims 1-40 were previously pending.

Claims 28-33 are allowed.

Claims 1-20, 23, 25, 27, 34-38, and 40 are canceled.

Claims 21, 24, 26, and 39 are currently amended.

Claims 21-22, 24, 26, 28-33, and 39 are currently pending.

1 **Listing of the Claims**

2
3 1-20. (Canceled)

4
5 21. (Currently Amended) ~~The method of claim 20,~~

6 A method of computing, comprising:

7 generating, at a first computing device, a request to decrypt a first file;

8 obtaining the file encryption key of the first file; and

9 generating a transmission containing the file encryption key for forwarding

10 to a second computing device with the request to decrypt the first file;

11
12 wherein obtaining the file encryption key of the first file comprises

13 obtaining the SEFS stream of the first file and extracting the file encryption key
14 from the SEFS stream.

15
16
17 22. (Original) The method of claim 21, wherein obtaining the file
18 encryption key of the first file comprises invoking a remote file system operation.

19
20 23. (Canceled)

1 24. (Currently Amended) A method of computing, comprising:
2 generating, at a first computing device, a request to decrypt a first file;
3 obtaining the file encryption key of the first file; and
4 forwarding the file encryption key to a second computing device with the
5 request to decrypt the first file;
6
7 in response to the request, at the second computing device,
8 creating a second file;
9 copying metadata from the first file to the second file;
10 decrypting the first file;
11 writing contents of the first file to the second file; and
12 replacing the first file with the second file;
13
14 wherein obtaining the file encryption key of the first file comprises
15 obtaining the SEFS stream of the first file and extracting the file encryption key
16 from the SEFS stream.
17

18 25. (Canceled)
19

20
21 26. (Currently Amended) ~~The method of claim 24,~~
22
23
24
25

1 A method of computing, comprising:
2 generating, at a first computing device, a request to decrypt a first file;
3 obtaining the file encryption key of the first file; and
4 forwarding the file encryption key to a second computing device with the
5 request to decrypt the first file;
6 in response to the request, at the second computing device,
7 creating a second file;
8 copying metadata from the first file to the second file;
9 decrypting the first file;
10 writing contents of the first file to the second file; and
11 replacing the first file with the second file;
12 wherein obtaining the file encryption key of the first file comprises
13 invoking a remote file system operation.
14
15

16
17 27. (Canceled)
18
19
20
21
22
23
24
25

1
2 28. (Allowed) A method of adding a user to an encrypted file stored
3 on a server, comprising:

4 obtaining the SEFS stream of the encrypted file from the server;

5 generating a DDF for the user;

6 modifying the SEFS stream to include the DDF for the user; and

7 writing the SEFS stream to the server.
8

9
10 29. (Allowed) The method of claim 28, wherein obtaining the SEFS
11 stream from the server comprises invoking a remote procedure call.
12

13 30. (Allowed) The method of claim 28, wherein writing the SEFS
14 stream to the server comprises invoking a remote procedure call.
15

16
17 31. (Allowed) A method of removing a user from an encrypted file
18 stored on a server, comprising:

19 obtaining the SEFS stream of the encrypted file from the server;

20 locating a DDF corresponding to the user in the SEFS stream;

21 modifying the SEFS stream to include the DDF for the user; and

22 writing the SEFS stream to the server.
23
24
25

1 32. (Allowed) The method of claim 31, wherein obtaining the SEFS
2 stream from the server comprises invoking a remote procedure call.

3
4 33. (Allowed) The method of claim 31, wherein writing the SEFS
5 stream to the server comprises invoking a remote procedure call.

6
7
8 34-38. (Canceled)

9
10 39. (Currently Amended) A method of providing proof that a first
11 computing device possesses a key for decrypting a file associated with a second
12 computing device, comprising:

13 at a first computing device:

14 using a unique data stream as a nonce;

15 determining a hash of the unique data stream;

16 generating a signature of the hash; and

17 transmitting, to the second computing device, the signature of the
18 hash and a certificate associated with the key; and

19 at the second computing device:

20 verifying the signature of the hash; and

21 comparing the received hash to a hash list associated with a second
22 computing device;
23
24
25

1 wherein the unique data stream comprises an SEFS stream associated
2 with the file.

3
4 40. (Canceled)
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25